

# SEQUENCE LISTING

<110> Lanahan, Michael  
Miller, Edward S.  
Kelly, Robert M.

<120> METHODS FOR HIGH-TEMPERATURE HYDROLYSIS OF GALACTOSE-CONTAINING  
OLIGOSACCHARIDES IN COMPLEX MIXTURES

<130> 9207.4

<150> US 60/220,211

<151> 2000-07-22

<160> 2

<170> PatentIn version 3.1

<210> 1

<211> 1659

<212> DNA

<213> Thermotoga maritima

<220>

<221> CDS

<222> (1)..(1659)

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gag aaa aac ttc aca gtt gag ttc gcg gtg gag aag ata cac ctt ggc 96  
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Trp Lys Ile Ser Gly Arg Val Lys Gly Ser Pro Gly Arg Leu Glu Val  
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ctt cga acg aaa gca ccg gaa aag gta ctt gtg aac aac tgg cag tcc 192  
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tgg gga ccg tgc agg gtg gtc gat gcc ttt tct ttc aaa cca cct gaa 240  
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65 70 75 80  
ata gat ccg aac tgg aga tac acc gct tcg gtg gtg ccc gat gta ctt 288  
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<210> 2  
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Trp	Lys	Ile	Ser	Gly	Arg	Val	Lys	Gly	Ser	Pro	Gly	Arg	Leu	Glu	Val	35	40	45	
Leu	Arg	Thr	Lys	Ala	Pro	Glu	Lys	Val	Leu	Val	Asn	Asn	Trp	Gln	Ser	50	55	60	
Trp	Gly	Pro	Cys	Arg	Val	Val	Asp	Ala	Phe	Ser	Phe	Lys	Pro	Pro	Glu	65	70	75	80
Ile	Asp	Pro	Asn	Trp	Arg	Tyr	Thr	Ala	Ser	Val	Val	Pro	Asp	Val	Leu	85	90	95	
Glu	Arg	Asn	Leu	Gln	Ser	Asp	Tyr	Phe	Val	Ala	Glu	Glu	Gly	Lys	Val	100	105	110	
Tyr	Gly	Phe	Leu	Ser	Ser	Lys	Ile	Ala	His	Pro	Phe	Phe	Ala	Val	Glu	115	120	125	
Asp	Gly	Glu	Leu	Val	Ala	Tyr	Leu	Glu	Tyr	Phe	Asp	Val	Glu	Phe	Asp	130	135	140	
Asp	Phe	Val	Pro	Leu	Glu	Pro	Leu	Val	Val	Leu	Glu	Asp	Pro	Asn	Thr	145	150	155	160
Pro	Leu	Leu	Leu	Glu	Lys	Tyr	Ala	Glu	Leu	Val	Gly	Met	Glu	Asn	Asn	165	170	175	
Ala	Arg	Val	Pro	Lys	His	Thr	Pro	Thr	Gly	Trp	Cys	Ser	Trp	Tyr	His	180	185	190	
Tyr	Phe	Leu	Asp	Leu	Thr	Trp	Glu	Glu	Thr	Leu	Lys	Asn	Leu	Lys	Leu	195	200	205	
Ala	Lys	Asn	Phe	Pro	Phe	Glu	Val	Phe	Gln	Ile	Asp	Asp	Ala	Tyr	Glu	210	215	220	
Lys	Asp	Ile	Gly	Asp	Trp	Leu	Val	Thr	Arg	Gly	Asp	Phe	Pro	Ser	Val	225	230	235	240
Glu	Glu	Met	Ala	Lys	Val	Ile	Ala	Glu	Asn	Gly	Phe	Ile	Pro	Gly	Ile	245	250	255	
Trp	Thr	Ala	Pro	Phe	Ser	Val	Ser	Glu	Thr	Ser	Asp	Val	Phe	Asn	Glu	260	265	270	

His Pro Asp Trp Val Val Lys Glu Asn Gly Glu Pro Lys Met Ala Tyr  
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 Arg Asn Trp Asn Lys Lys Ile Tyr Ala Leu Asp Leu Ser Lys Asp Glu  
 290 295 300  
 Val Leu Asn Trp Leu Phe Asp Leu Phe Ser Ser Leu Arg Lys Met Gly  
 305 310 315 320  
 Tyr Arg Tyr Phe Lys Ile Asp Phe Leu Phe Ala Gly Ala Val Pro Gly  
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 Glu Arg Lys Lys Asn Ile Thr Pro Ile Gln Ala Phe Arg Lys Gly Ile  
 340 345 350  
 Glu Thr Ile Arg Lys Ala Val Gly Glu Asp Ser Phe Ile Leu Gly Cys  
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 Gly Ser Pro Leu Leu Pro Ala Val Gly Cys Val Asp Gly Met Arg Ile  
 370 375 380  
 Gly Pro Asp Thr Ala Pro Phe Trp Gly Glu His Ile Glu Asp Asn Gly  
 385 390 395 400  
 Ala Pro Ala Ala Arg Trp Ala Leu Arg Asn Ala Ile Thr Arg Tyr Phe  
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 Met His Asp Arg Phe Trp Leu Asn Asp Pro Asp Cys Leu Ile Leu Arg  
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 485 490 495  
 Tyr Glu Ile Val Ser Ser Gly Thr Leu Ser Gly Asn Val Lys Ile Val  
 500 505 510  
 Val Asp Leu Asn Ser Arg Glu Tyr His Leu Glu Lys Glu Gly Lys Ser  
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 Ser Leu Lys Lys Arg Val Val Lys Arg Glu Asp Gly Arg Asn Phe Tyr  
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